(c) the normal time taken for giving clearance?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI VILAS MUTTEMWAR): (a) to (c) As per the Electricity Act, 2003 gneration of power has been de-licensed except for generation through hydro power provided it meets technical standards for grid-connectivity. Environmental and other statutory clearances for such projects are also required. Renewable power projects pertaining to small hydro, biomass, congeneration, etc. are eligible for grant of central financial assistance in keeping with the provisions of the schemes/programmes of this Ministry. Proposals in this regard are recieved on a regular basis through State Governments/ Designated State nodal agencies. At times, these proposals are found to be incomplete or not in line with the provisions of the schemes/ programmes. Complete proposals are considered and approved subject to budget provisions. As such, no such project proposals are pending for want of clearance.

Establishment of Tsunami Warning System

3881. SHRI T.T.V. DHINAKARAN:
SHRI S. ANBALAGAN:

Will the Minister of OCEAN DEVELOPMENT be pleased to state:

(a) whether Government have taken any steps for the establishment of Tsunami Warning System in Bay of Bengal and Arabian Sea;

(b) if so, the details thereof including location and the likely date of their functioning; and

(c) if not, the reasons for slow progress therein despite experiencing such huge loss of life and property?

THE MINISTER OF OCEAN DEVELOPMENT (SHRI KAPIL SIBAL):(a) and (b) Yes, Sir. The Government is setting up a National Early Warning System for Tsunami and Storm Surges in Indian Ocean at a total cost of Rs. 125 crores with the following component:

- installation of tsunami warning sensors close to the ocean bottom at appropriate locals in the Indian Ocean, with real time connectivity;

- tide gauge and data buoys networking to validate arrival of tsunami waves at the coast;
- strengthening of the existing seismological network to indicate, near real time occurrence of tsunamigenic earthquakes;
- Modelling of the inundation scenarios for the entire coast and mapping of potential risk areas;
- collection of information, analysis and generating status advisories.

The warning system is scheduled to be operational by September, 2007. A centre would be set up at India National Centre for Ocean Information Services (INCOIS), Hyderabad, Andhra Pradesh on a 24x7 basis. The Tsunami Warning System is for the whole country. An interim early warning mechanism is presently operational at INCOIS, Hyderabad on 24x7 basis.

(c) Does not arise.

Development of coastal areas

3882. SHRI PRAVEEN RASHTRAPAL: Will the Minister of OCEAN DEVELOPMENT be pleased state:

(a) the length of coastal area in the State of Gujarat, Maharashtra, Kerala and Orissa;

(b) whether these coastal areas can be developed for the population residing near the sea-side;

(c) whether Government are aware of serious difficulties and disabilities faced by the Gujarat fishermen from the Pakistani Marine Security Agencies; and

(d) the action proposed by Government to protect life and business of fishermen?

THE MINISTER OF OCEAN DEVELOPMENT (SHRI KAPIL SIBAL) (a) The details of coastline of Gujarat, Maharashtra, Kerala and Orissa are as follows: